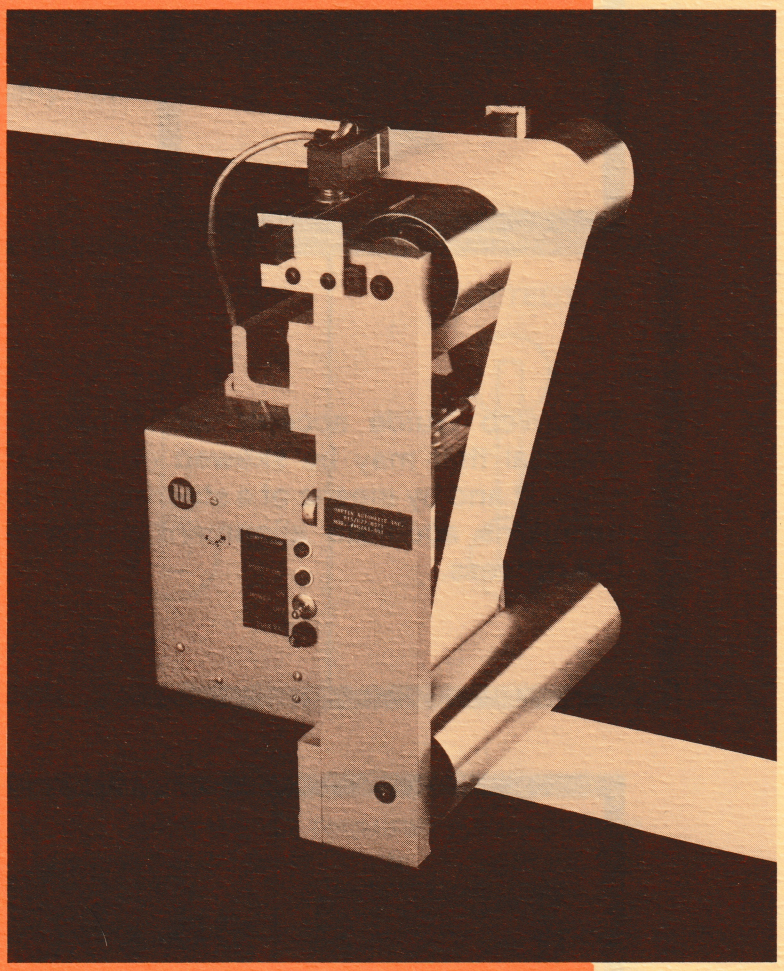
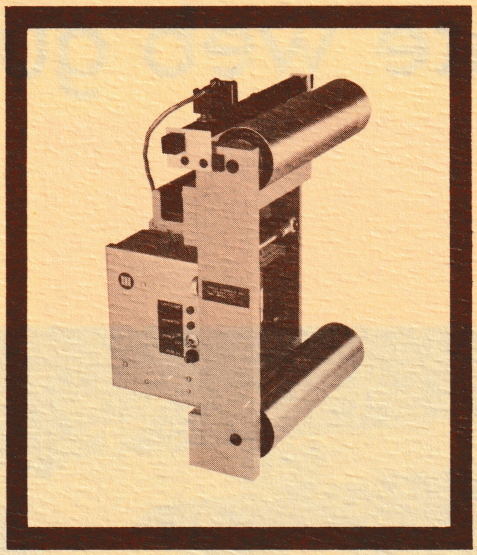
martin oS

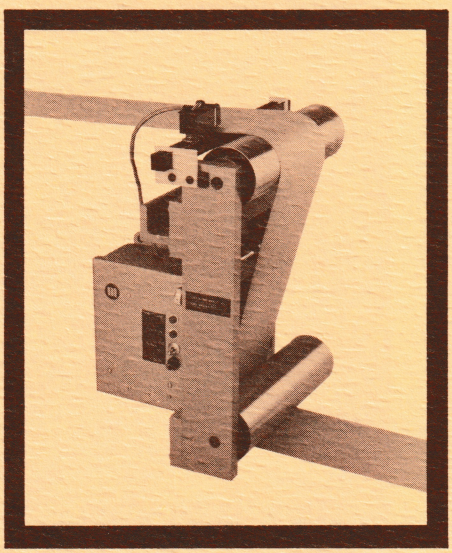
intermediate web guide





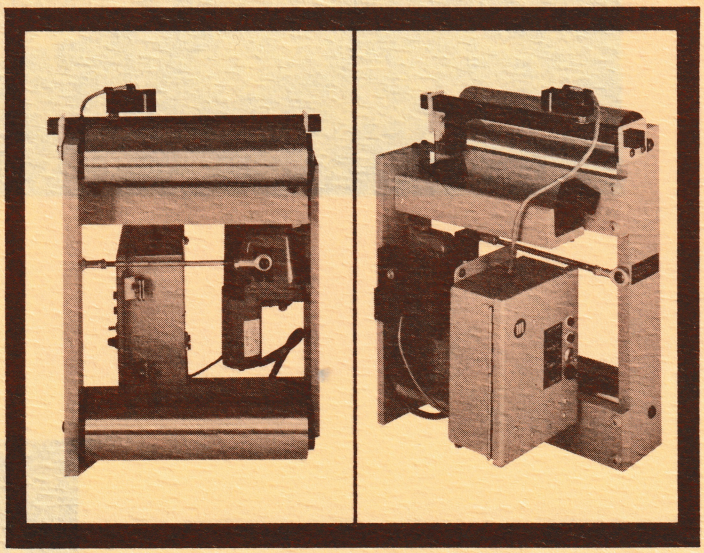
WHAT IT IS

The Martin oS Intermediate Web Guide is a self-contained web steering device. It's cantilevered construction permits easy installation to new or existing frames. The unit may be mounted in any desirable position; horizontal, vertical or lateral.



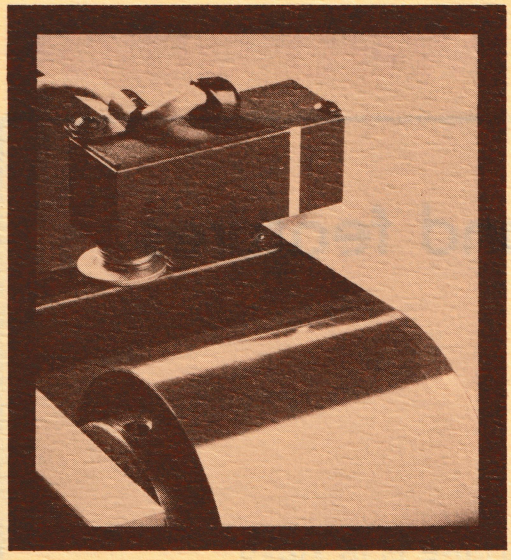
WHAT IT DOES

The Web Guide accepts an incoming web of material that may be skewed or otherwise misaligned and by means of a steering roller carriage maintains accurate alignment of the web into the process.



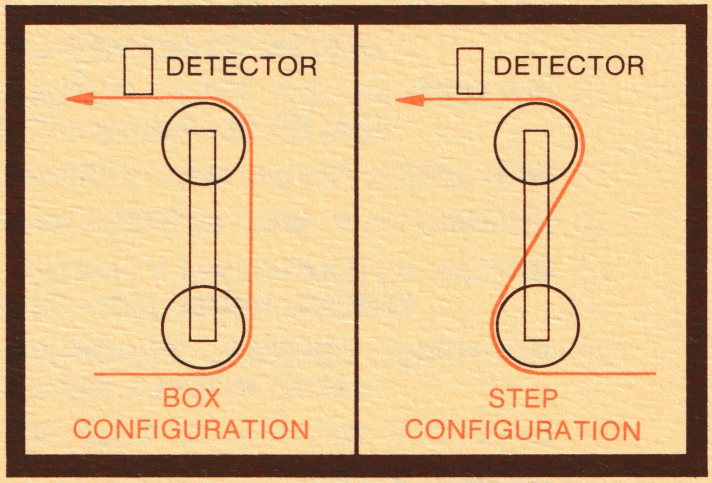
HOW IT DOES IT

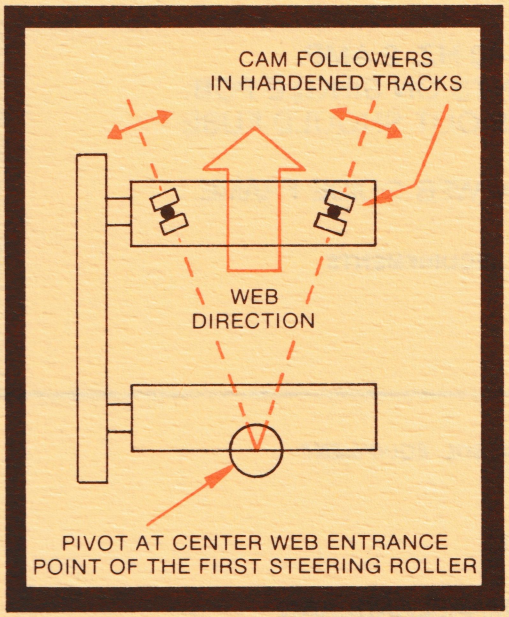
The two roller steering carriage is cantilevered from an outer frame by means of a single-pivot-point and two anti-friction cam followers riding in hardened tracks. The pivot point is located such that the carriage pivots at the center web entrance point of the first steering roller. For accurate web alignment, position of the steering carriage is accomplished by an electric motor drive in response to the location of the edge detector.



The detector consists of a light-emitting diode and photocell continuously sensing web location. An electronic feedback circuit provides the correction signal necessary for the motor-driven carriage and web to satisfy the detector's preset location. A flip-away design is incorporated for the convenience of web-up and manual adjustment for edge "set-point" is easily achieved.

Location of the detector is immediately adjacent to the second steering roller where it senses errors and corrections immediately, but does not give false readings due to the twist of the web. Therefore, there is no compromise of speed, accuracy, or stability.





Basic geometric requirements dictate that the web must enter and leave the steering rollers at right angles to the plane of motion of the steering carriage. There is no functional difference between the step and the box configurations, but each installation must satisfy these basic geometric requirements.

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product specifications and features

GENERAL

- CORRECTION RATE: .4in/sec.
- CORRECTION RANGE: ±½ in.
- SENSITIVITY: ±.005 in.
- SCANNER: SINGLE EDGE, LED LIGHT SOURCE, FLIP-AWAY DESIGN TO AID WEB-UP.
- ROLLERS: 3½" O.D. STEEL, PERMANENTLY LUBRICATED SEALED BEARINGS (OTHERS AVAILABLE).
- WEB SPEED: 750 fpm MAX. (OTHERS AVAILABLE).
- WEB WIDTH: 9" MAX. (OTHERS AVAILABLE).
- MOTOR: AUTOMATICALLY LIMITED AT EITHER END OF STROKE. PANEL LIGHT DENOTES STROKE LIMIT.
- MOUNTING: VERTICAL OR HORIZONTAL, RIGHT OR LEFT HAND MODELS AVAILABLE.
- ENVELOPE: 20" HIGH, 12" DEEP, 15" WIDE.
- WEIGHT: 90 LBS.
- ELECTRICAL: 117 VOLTS AC (+ 10%) 50-60 HZ, 2 AMP.
  SOLID STATE COMPONENTS ON SINGLE PCB.
  POWER "ON" LIGHT GOES OUT SHOULD FUSE OPEN.
  ENCLOSURE MOUNTED ON WEB GUIDE FRAME.

PLEASE CONSULT FACTORY FOR OTHER REQUIREMENTS

DESIGNERS AND MANUFACTURERS OF WEB CONTROL EQUIPMENT
INTERNATIONAL DISTRIBUTION

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